

double bonds in the resin thus induces polymerization. The photoinitiator is preferably selected from the group consisting of IRGACURE #184 (1-hydroxy-cyclohexyl-phenyl-ketone, manufactured by CibaGeigy), IRGACURE #907 (2-methyl-1((4-(methylthio)phenyl)-2-morpholinopropan-1-one, manufactured by CibaGeigy), IRGACURE #500 (a mixture of IRGACURE # 184 and benzophenone, manufactured by CibaGeigy), IRGACURE #651 (2,2-dimethoxy-1,2-diphenylethane-1-one, manufactured by CibaGeigy), DAROCURE #1173 (2-hydroxy-2-methyl-1-phenyl-propan-1-one, manufactured by Merk), CGI #1800 (a mixture of bis(2,6-dimethoxybenzoyl)-2,4,4-trimethyl-phenyl-pentylphosphineoxide and IRGACURE # 184, manufactured by CibaGeigy), and CGI #1700 (a mixture of bis(2,6-dimethoxybenzoyl)-2,4,4-trimethyl-phenyl-pentylphosphineoxide and IRGACURE # 1173, manufactured by CibaGeigy), and preferably comprises 3 to 15 weight% of the resin composition for manufacturing optical fiber ribbon.

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Furthermore, the present invention comprises a leveling/defoaming agent, antioxidant, etc. as additives. Both silicone type and fluorine type additives can be used. Preferably, a silicone based additive is used in the present invention since a fluorine type additive generates a larger amount of bubbles than a silicone type additive does due to its low surface tension, and it is difficult to remove formed bubbles. There are two types of additives, including one type which comprises a molecular acrylate or vinyl group which participates in curing, and another type which emerges on the surface of the resin due to non-reactivity and thus exercises its effects. The material which plays a role as a leveling/defoaming agent is preferably selected from the group consisting of BYK #371 (an acrylated polydimethylsiloxane type leveling agent, manufactured by BYK Chemical Company), BYK #353 (a polyacrylate type leveling agent, manufactured by BYK Chemical Company), BYK #356 (a polyacrylate type leveling agent, manufactured by BYK Chemical Company), BYK #359 (a polyacrylate copolymer leveling agent, manufactured by BYK Chemical Company), BYK #361 (a polyacrylate copolymer leveling agent, manufactured by BYK Chemical Company), BYK #067 (a polysiloxane type defoaming agent, manufactured by BYK Chemical Company), BYK #141 (a polysiloxane type defoaming agent, manufactured by BYK Chemical Company), TEGO RAD #2200 (an acrylated polyester siloxane copolymer, manufactured by Tego Chemical Company), TEGO RAD #2500 (an acrylated polyester siloxane copolymer, manufactured by Tego Chemical Company), TEGO